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Thanks for buying the CZH-T200 portable FM transmitter.

Before you use this transmitter for the first time, please read the user manual carefully and operate the device following the instructions. It is multi-functional device but easy to operate. We sincerely hope our products will bring you happy experience.

# **CZH-T200 Portable FM Transmitter User Manual**



**Please read this manual before you use the device, restore the manual carefully in case you'll need it in the future.**

## Copyright

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### 1. Attention before use

- 1) Only professional engineers can do the repair work.
- 2) Don't power on the transmitter without connecting the antenna.
- 3) Don't use the transmitter in explosive environment.(such as gas station, natural gas or steam)
- 4) Don't put the transmitter in extreme dusty, damp or hot places.
- 5) Please use the transmitter following the local regulations.
- 6) Please try not to use the transmitter in thunder/storm weather.

### 2. Main Characteristics:

- 1) This transmitter uses professional transmitting transistors, it gives excellent audio quality. The audio port and microphone port are independent from each other, the input signal will be processed independently too, this decrease the loss of sound quality in a large extent.
- 2) The Power output is 4 levels adjustable; choose different power in different situation can avoid interference to the environment around.
- 3) This transmitter is equipped with special antenna; it is stable and reliable in transmitting a relative far range.
- 4) This transmitter uses 1000ma Li-on battery, its high capacity enables a long working time up to 16hours at the lowest power output mode.
- 5) The noise and harmonics are ≤60dB, achieving professional standard. This can avoid the interference to surround environment.
- 6) MONO/STEREO adjustable, easy to use.

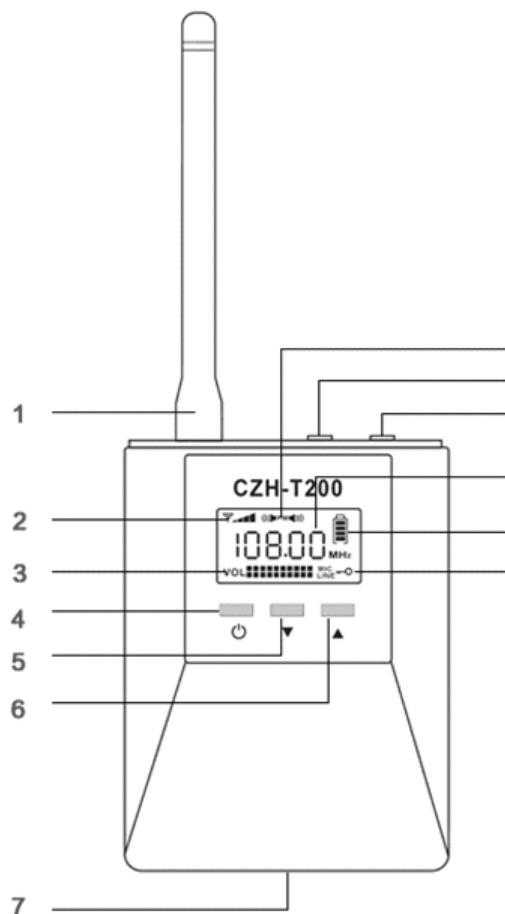
### 3. Application Area

Driving school teaching	Campus teaching
Stage directing	Public speech
Tourism guide	CAR walkie-talkie,MP3 audio transmission
HOME wireless audio system	Wireless meeting system
Spontaneous translation	Outdoor camping

## CZH-T200 FM Transmitter Application Areas



### 4. Operation Instruction:

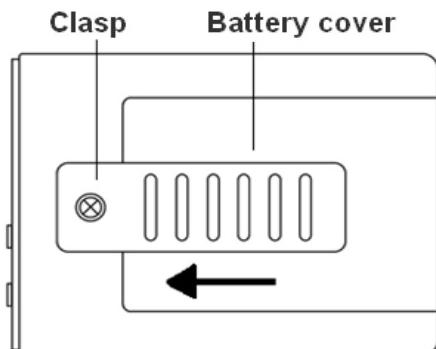


### Apperance and Function

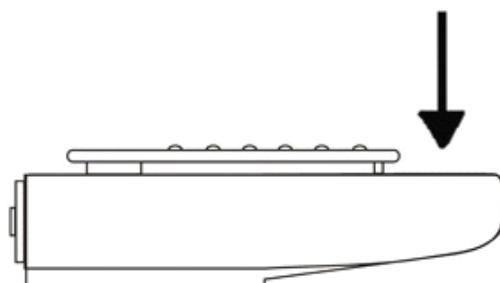
1. Antenna port
2. RF power display
3. Line-in/Microphone Volume
4. Power button, Function shifting.
5. Reduce/Lock the buttons
6. Increase/ Sound channel adjust
7. Battery Charging Port
8. Stereo status indicator
9. Microphone Port
10. Line-in port
11. Frequency Indicating
12. Battery indicator
13. Button locking indicator

## 1). Battery cover Install/removing:

- A. Install the battery cover by inserting its legs to the holes on the back of transmitter, then push in (Picture A), and Press until it's locked tightly(Picture B).

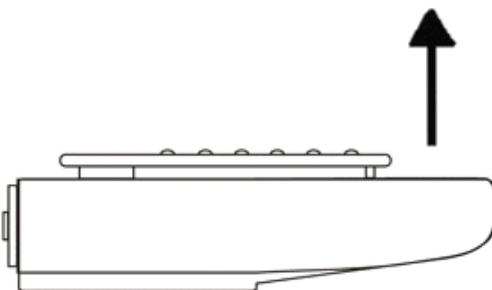


(Picture A)

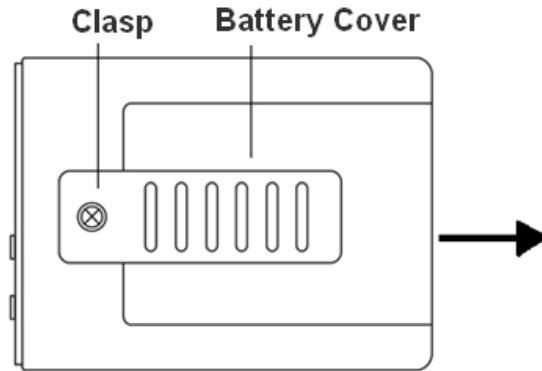


(Picture B)

- B. Hold the back of the cover and open it a little (Picture C), then pull out the cover from the slot (Picture D).

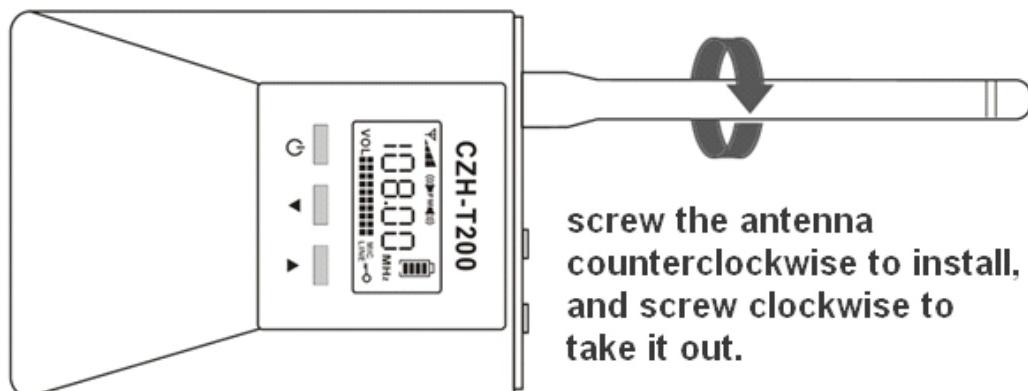


(Picture C)



(Picture D)

## 2). Antenna Install/Uninstall (This is anti-screw direction antenna)



## 3). Power ON/OFF

- A. When the transmitter is OFF, press and hold **【↓】** to power on.  
B. When the transmitter is in working status, press and hold **【↓】** to power off.

#### **4). Microphone Volume Setting**

Press , the MIC icon starts flashing, press  to reduce the volume and press  to increase.

#### **5) Line-in Volume Setting**

Press , the “LINE” icon starts flashing, press  to reduce the volume and press  to increase.

#### **6) Frequency Setting**

Press , The “MHz” icon starts flashing, press  to turn down frequency, and press  to turn up.

#### **7) RF Power Setting**

Press , the “ to reduce the broadcasting power and press  to increase.

#### **8) Button lock/unlock function**

- A. Under normal working status, press and hold , the screen will show  which means the other buttons are all locked.
- B. Under button locking status, press and hold , the screen will show  which means the buttons are unlocked.

#### **9) Stereo/Mono adjustable**

Under normal working status, press and hold  to shift between stereo/mono, when the screen shows  ,it means the current sound mode is Stereo. When the screen doesn't show  ,it means the current sound mode is Mono.

#### **10) Battery charging**

- (1) Connect the battery charger(DC5V) with transmitter via the USB line, the icon  starts flashing, the battery begins charging.
- (2) When battery is full after charge, the  icon will stop flashing. Usually it's about 5hours to charge battery full.

#### **11) Reminder: Battery charging can be done no matter the transmitter is ON or OFF. Please kindly note the following items:**

- A、When the icon  shows empty, it means battery is low and needs to charge as soon as possible.
- B、When charging battery as transmitter is ON, the transmitting power will be automatically shifted to the minimum level, this is a normal phenomenon.
- C、When charging battery as transmitter is OFF, there is nothing showing on the screen.
- D、When the transmitter is vacant for a long time, please take the battery out and put it in cool and dry environment.

#### **5. Main Specifications:**

No.	Item	Specification
1	Power supply	BL—5C Li-on battery, 3.7V 1000mAh
2	Frequency range	87~108MHz / 76~90MHz (optional)

3	Frequency Stability	$\pm 10\text{PPM}$
4	Frequency stepping	100KHz
5	RF power output	(Level 1/2 /3/4) 0.01mW-10mW-100mW-200mW
6	Broadcasting range for reference	(Level 1/2 /3/4) 10m-100m-300m-500m
7	Working time	(Level 1/2 /3/4) 16h-10h-8h-6h
8	Battery Charging time	About 5hours, voltage is 5V.
9	Spurious, harmonic radiation	$\leq -60\text{dB}$
10	Sound distortion	$\leq 0.2\%$
11	Frequency response	50Hz~15000Hz
12	Input level	$\leq -15 \text{ dBV}$
13	Frequency Modulation	$\pm 75\text{KHZ}$
14	SNR	$\geq 60 \text{ dB}$
15	Device Size	82*60*22mm (extruding part not included)
16	Weight	About 67g(Battery not included)

## 6. All configurations

NO.	Item	Product Name	Description	Quantity	Unit
1	<b>Standard configuration</b>	Transmitter	CZH-T200	1	pcs
2		FM antenna	Anti-screw direction	1	pcs
3		Li-on battery	BL-5C 1000mAh	1	pcs
4		Car charger	With IC protection, Output voltage : DC 5V 1000mA	1	pcs
5		Lavalier microphone	Stereo, gold plating, 1.2 meters with shielding function.	1	pcs
6		Audio cable	3.5 male to male	1	pcs
7		USB cable	USB to T Port (MINI)	1	pcs
8		Packing box	Color box neutral packing	1	pcs
9	<b>Optional accessories</b>	USB charger	With IC protection Output voltage : DC 5V 500mA	1	pcs
10		Headphone micropohne	Stereo,1.2m cable	1	pcs

## **7. After-sales Service:**

Thank you for choosing our product, we'll provide lifetime maintenance. Within 200days after purchasing, we provide all-free repairing. The following circumstances are excluded:

- 1). Problems caused by unauthorized disassembling or repairing on the product.
- 2). Problems caused by mis-operation without following the instruction.
- 3). Problems caused by man-made damage/hit/crash/water and other non-product quality problems.
- 4). The product being damaged by Thunder or other force majeure.
- 5). Product case, Li-on battery, microphone, charger, audio cable, charging cable and other accessories are not in free repairing range.

For products over or not belonging to the free-repairing period, we can provide repairing with very low cost.

- 1) We provide lifetime maintenance for product over the free-repairing period.
- 2) We can repair the products that over the free-repairing period or damaged manmade with very low cost.

## **8. Disclaimer**

Please use this product following local laws or regulations about using wireless products, otherwise the user will be responsible for any problems occurred by not obeying rules. We and our distributors are free of responsibility for that.

## **CZH-T200 Customer Feedback Card**

If you are satisfied with our product, we'll highly appreciate if you refer to your friends of our products.

If you are not satisfied with our product, please kindly let us know what we can do to help, we'll be glad to improve our products per customer's needs to achieve full satisfaction.

Thanks for your letter!

Your advices:

## Warranty Service Card

<b>Distributor Name</b>			
<b>Distributor Website</b>			
<b>E-shopping ID</b>	<b>Purchase Date</b>	<b>Customer Name</b>	<b>Contact Number</b>
<b>Customer Shipping Address</b>			
<b>Product problem description:</b>			

**Remark: Please fill in this card carefully for the sake of us sending it back to you in time, the characters should be recognizable and clear. The problem description should be as detailed as possible as we can find out the solution quickly.**